



NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

**FAULT CATEGORY**

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
---	---	---

<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	---

# Work Order ID 98218

**\*98218\***

Page 2

Item ID: D4789-1  
Revision ID: PRELIM  
Item Name: Upper Clevis

Accept

**\*N900040100\***

Setup Start **\*NS1\***  
Stop **\*NS2\***

Start Date: 3/11/13 Start Qty: 2.00 **\*2\***  
Required Date: 3/25/13 Req'd Qty: 2.00 **\*2\***

Cust Item ID:  
Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:  
QC: Date: SPC (Y/N): Date:

Run Start **\*NR1\***  
Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120 QC2- Inspect parts off machine FAI/FAIB

0.00

**\*120\***

QC

Memo

0.00

Quality Control

130 QC8- Inspect parts - second check

0.00

**\*130\***

QC

Memo

0.00

Quality Control

140 Chemical Conversion Coat per QSI005 4.1

0.00

**\*140\***

HandFinish

Memo

0.00

Hand Finishing

DAS  
27  
0.00

13.3.13

Inspect as per  
Draws PAB

N/A 4/13.03.13

POSITIVE RECALL  
EFFECTIVE 130311 AUTH u  
RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

**FAULT CATEGORY**

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

# Work Order ID 98218

**\*98218\***

Page 3

Item ID: D4789-1

Accept

**\*N900040100\***

Setup Start

**\*NS1\***

Revision ID: PRELIM

Stop

**\*NS2\***

Item Name: Upper Clevis

Start Date: 3/11/13

Start Qty: 2.00

**\*2\***

Cust Item ID:

Required Date: 3/25/13

Req'd Qty: 2.00

**\*2\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

**\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop

**\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

150

QC7-Inspect Chemical Conversion Coat

0.00

**\*150\***

QC

Quality Control

Memo

0.00

N/A

170

Identify as per dwg & Stock Location:

0.00

**\*170\***

Packaging

Memo

0.00

Packaging

180

QC21- Final Inspection - Work Order Release

0.00

**\*180\***

QC

Quality Control

Memo

0.00

W 1303.20  
RD4440

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

**FAULT CATEGORY**

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
---	---	---

☐ Ovalized  
☐ Over/Under tolerance  
☐ Part Incorrect  
☐ Part Lost/Missing  
☐ Part Moved  
☐ Positioned Wrong  
☐ Power Loss/Surge

☐ Pressure/Forced  
☐ Temperature/Cure  
☐ Weld  
☐ Wrong Stock Pulled  
☐ Other

# Picklist Print

March-11-13 7:36:54 AM

Page 1

Work Order ID: 98218

\*98218\*

Parent Item: D4789-1

\*D4789-1\*

Parent Item Name: Upper Clevis

Start Date: 3/11/13

Required Date: 3/25/13

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 13-03-08 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6B2.000X04.00 0		Purchased	No				f	18.3300		0.568421			

\*M6061T6B2 000X04 000\*

6061T6 Bar 2.00 x 4.00

\*\*

Location

Loc Qty

Loc Code

MAT009

18.33

111447

18.33

.57 OK 13/03/13

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Doc/Data									
Equip/Tooling									
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Other									
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Supplier									
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Unapproved									

**FAULT CATEGORY**

Landing Gear	General	Other
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<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabelled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
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		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other







## Receiving Report

Date: 7/4/16  
 Supplier: MAGND

Batch No: 7111447  
 Dart P/O: 8535

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QCC Inspection ☒ N/A ☐  
 Work Order B74709 09/04/17 N/A ☐

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M414NB	625x040	24	0	0	24	
M304TR	625x040	100	0	0	100	
M7075TG	B100-0050	12	0	0	12	

M7075T73 R100

Production/Admin: 09/04/17  
 Date: 09/04/17  
 Received/Costing: 8/10/14  
 Initial: CS

Initials of receiver (if shipment OK) Level 12 [Signature]

24 0 0 24

Location \_\_\_\_\_

# Dart Aerospace Ltd

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7  
Phone: (613) 632-3336  
Fax: (613) 632-4443

## Receiving Slip

Date  
Apr 17, 2009

Page  
1

Receipt Number  
RCP00010744

### Purchase From:

Magna Stainless  
5775 rue Kieran  
St Laurent, Quebec H4S 0A3  
Canada

### Ship To:

Main Finished Goods Location  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7

Reference	Description	Contact	Vendor Number	PO Number
			VC-MAG002	PO00008535

Vendor Item Number	Item Number	Description	Qty. Received	UOM	Unit Cost	Extended Cost	Arrival Date
	D6207P	Angle Extrusion 1x1x.12 B46909 MINIMUM YIELD TENSILE STRENGTH = 35 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 38 KSI MATERIAL: 6061-T6 OR 6511 (QQ-A-200/8) ANGLE EXTRUSION: 1" X 1" X .125" AS PER DWG D6207 REV. A B/N46909	60.0000	f	0.650000	39.00	Apr 17, 2009
	M6061T6B2000X0	6061-T6 Bar 2.00 x 4.00 B/N46909 AS PER AMS-QQ-A-200/8 OR AMS 4160 AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115 MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 B/N46909	20.0000	f	20.100000	402.00	Apr 17, 2009

Comments:

Q.S.T. # 1213236471  
G.S.T. # 881565899 RT0001



# Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3  
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

## PACKING LIST

I009679

Page: 1 of 1

SOLD TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIP TO:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY, ON  
K6A 1K7  
Contact: CHANTAL

HAWKESBURY, ON  
K6A 1K7  
Ship Terms: PREPAID

MTR: Y

SPECIAL INSTRUCTIONS

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		ERYCK BLAIS	(613) 632-5200	(613) 632-1053	8535	
Sales Order	Terms		Ship Via	Date Ordered	Date Required	Date Shipped
W010589	NET 30 DAYS		NIR:R-557065-1	04/09/09	04/16/09	04/16/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
3		PC	ALUMINUM ANGLES AAN 6061 T6 1" x 1" x 1/8" x R/L ✓ 20' 18 LB / 3 PC MUST USE HT: 5850	L020459	5850	3
1		PC	ALUMINUM FLATS AFL 6061 T6 2" x 4" x R/L ✓ 20' 192 LB / 1 PC MUST USE HT: 0724302	L025024	0724302	1
Bundles: 1		Pieces: 1		Total Weight:		210 LB

*29/9/16*

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Signature: \_\_\_\_\_

# DART

## Purchase Order

Date	Page
Apr 08, 2009	1

Purchase Order Number
PO00008535

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7  
Phone: (613)632-9577  
Fax: (613)632-1053

**FAKED**  
10091046

**Vendor Address:**

Magna Stainless  
5775 rue Kieran  
St Laurent, Quebec H4S 0A3  
Canada  
Phone (514) 339-1211  
Fax (514) 339-1105

**Ship To:**

Main Finished Goods Location  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawksbury, Ontario K6A 1K7

Reference	Contact	Vendor Number	PO Date	Terms	Ship Via	Expected Arrival
		VC-MAG002	Apr 08, 2009	N30	yours	Apr 16, 2009

Qty. Ordered	Item Number	Description	Expected Arrival	Drop-Ship	Unit Cost	UOM	Extended Price
60.0000 <i>✓ 109/7/11</i>	D6207P	Angle Extrusion 1x1x.125 <b>Comments:</b> AS PER DWG D6207 REV. A ANGLE EXTRUSION: 1" X 1" X .125" MATERIAL: 6061-T6 OR 6511 (QQ-A-200/8) MINIMUM ULTIMATE TENSILE STRENGTH = 38 KSI MINIMUM YIELD TENSILE STRENGTH = 35 KSI B46309	16/04/2009	No	0.650000	f	39.00
24.0000	M4140NB0625X0400	4140 Steel Bar .625 x 4.00 <b>Comments:</b> MATERIAL: 4140 AS PER CF LP ANN BAR PER ASTM A 331 / A 108	16/04/2009	No	29.166666	f	700.00
100.0000	M304TR0675W091	304 RD Tube .675 x .091 <b>Comments:</b> MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING OR SCHEDULE 40 SEAMLESS	16/04/2009	No	6.750000	f	675.00
20.0000 <i>✓ 109/8/11</i>	M6061T6B2000X040	6061T6 Bar 2.00 x 4.00 <b>Comments:</b> MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 BAR PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115 4116 OR PER AMS-QQ-A-200/8 OR AMS 4160	16/04/2009	No	20.100000	f	402.00
12.0000	M7075T6B1500X150	7075 T6 BAR 1.500 x 1.5 <b>Comments:</b> MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11	16/04/2009	No	16.250000	f	195.00
24.0000	M7075T73R1000	7075-T73 Rd Bar 1.00 <b>Comments:</b> MATERIAL: 7075-T6 OR T651/T6510/T6511/T652 OR T62 ROUND BAR PER AMS-QQ-A-225/9 OR AMS 4122	16/04/2009	No	9.166666	f	220.00

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

Continued on next page...

## Material Test Report

Customer Ship To:

Magna Stainless Inc.  
5775 Kieran St.

St-Laurent

QB H4S 0A3

Our Order: 358672 - 1

Your PO # PO02280

Part # 05666-000-240

Die: ES05666

Description: 1.000 x 1000 x .125

Alloy Temper 6061 T6

Print Date: 12/23/2008

### Chemical Properties

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others each	others total	Al
0.40-0.8	0.7 max	0.15-.40	0.15 max	0.8 1.2	0.04-0.35	0.25 max	0.15	0.05	0.15	remain

Sorbiliz

### Mechanical Properties

#### Strength ksi

Test ID	Test Date	CastNum	Ultimate	Yield (2% Offset)	Elongation (2" gage length)
115262	12/23/08	5850	43.05	39.27	8.2

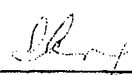
110 204 59

Applicable Specifications: ASTM B221-06 ASTM B308-02 ASTM B429 QQA200/8 QQA200/16

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Doug Barnes - Tensile Testing

Authorized

  
Evan Eng, Quality Assurance Mgr.



**PANASIA ALUMINIUM (CHINA) LIMITED**  
**Aluminium Mill Certificate**

Cert. No.: PAAV-MC0806005

CUSTOMER: **ASA Alloys Inc**

PO No.: **072216-BB**

Contract No.: **NIL**

Alloy & Temper: **6061-T6511**

Standards: **ASTM-B221**

Container No.: **ZCSU9009360**

Date of shipment: **2008.08.08**

**QQA-200/8**

Chemical Composition (%)									
Heat No	Si	Mg	Fe	Cu	Mn	Zn	Cr	Ti	Al
Standard	0.40-0.80	0.80-1.20	0.7max	0.15-0.40	0.15max	0.25max	0.04-0.35	0.15max	Rem.
20080723201	0.673	0.871	0.256	0.193	0.038	0.035	0.095	0.019	Rem.
20080725301	0.671	0.872	0.254	0.196	0.037	0.031	0.091	0.017	Rem.
20080726301	0.675	0.863	0.253	0.194	0.034	0.033	0.092	0.016	Rem.
20080724302	0.672	0.869	0.258	0.197	0.035	0.034	0.094	0.010	Rem.
20080724401	0.670	0.864	0.259	0.192	0.033	0.032	0.093	0.012	Rem.
20080711302	0.677	0.870	0.252	0.196	0.036	0.030	0.096	0.018	Rem.

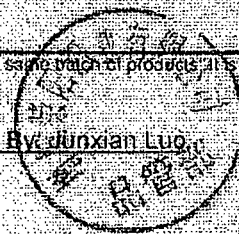
Tensile Test Result						Tensile Strength		Yield Strength		Elongation
Heat No.	Die No.	Customer part No.	Description			N/mm <sup>2</sup>	Ksi	N/mm <sup>2</sup>	Ksi	%
						260 min	38 min	240 min	35 min	10 min
20080723201	T10008		✓ 1 x 0.095 Sq Tube Sq. Corner			295	43	265	39	12.3
20080725301	F10000044		✓ 3/8 x 3 Flat bar Sharp Corner			295	43	260	38	12.1
20080726301	F10030		✓ 1 x 3 Flat bar Sharp Corner			285	42	260	38	12.0
20080724302	F10000087		✓ 2 x 4 Flat bar Sharp Corner			290	42	270	39	12.4
20080724401	T10039		✓ 3/4 x 120 Sq Tube Sq. Corner			290	42	270	39	12.2
20080711302	T10026		✓ 1 x 0.125 Sq Tube Sq. Corner			295	42	265	39	12.5

Hardness Test Result				Other Remarks
Section No.	HIRE	Webster		
T10008	91	15.5		
F10000044	91	15.6		
F10030	90	15.3		
F10000087	90	15.3		
T10039	92	15.9		
T10026	92	15.9		

The above result was done on testing samples and the mill shall guarantee the same quality for the same batch of products. It is certified that this material conforms in all respects to the requirements of the above standards latest revision.

QC: **Xiaotuan Zhang**

Checked By: **Junxian Luo**



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